BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

Name of Work:-Detailed Estimate for Providing Multi colour Shade lights at parks in ward no 03 & 04 of Yelahanka Sattelite Town Sub Division

Budget Head .....

Division No..... Estimate No. ..... For Rs. **7500000.00**

Sl. No.	SR Page & SL No	Description of Work	Unit	Qty	Rate	Amount
		PART A				
1	CPWD DSR1.8	Supply,Installation,TestingandCommissioningofLEDRGB/RGBWfloodlightingluminaireforfacadelightingwithDie-castaluminiumhousing, powder-coatedfinish,offollowingwattage.Luminaireshallbecapableofproducingdynamiccolorchanginglightforwith16millioncolorsbyDMX/Ethernetbasedcontrol.Thebeamangleofthefittingshallbenarrow,medium,wideorasymmetricasperthe requirement. Luminaireshallbecompletewithdriverandcapableofoperatingatlinevoltagewithoutanyseparatepowersupplyfrom100-270VAC,50Hzwithpowerfactor>0.9.Fixtureshallbesuitabletooperateatanambienttemperaturerangeof-10°Cto+50°CandshallbeIP65andIK06rated.Lifetimeshallbeatleast L70:50000burninghoursat50°C.Luminaireshallbeconformingto BIS(IS10322)andshallbecompletewithallnecessaryaccessoriesrequiredforproperworkingoffixtureincludingweatherproofconnectioncables,waterproofconnectorsetc. as required.75 W	Nos	40	49010.00	1960400.00
2	1.4	140 Watts	Nos	21	75016.00	1575336.00
3	1.11	30Watts	Nos	12	20019.00	240228.00
4	101/15.6.1	Supply, installation, testing and commissioning of booster amplifier with power handling of 250 to 300 watt RMS 4ohms Dual and 100/70 volt output on bridge mode single channel Rack mountable Specs: frequency response : 20 htz to 20khtz	No	1.00	27550.00	27550.00
5	101/15.7.1	Supply, installation, testing and commissioning of 4 to 6 Channel 4 mic/line input mixer with 2/3 band semi parametric eq 2 bus and 2 aux 2 stereo return.	No	1.00	12800.00	12800.00
6	AR	Supply, installation, testing and commissioning of out door garden speaker fitted with wide response and water resistant polypropylene speaker components and strong aluminium alloy housing permits various outdoor application omni directional speakers IP 55 norms 40W/100 volt with taping of 40/20/10/5watts 88 db 160 Hz-16KHz Dimensions DIA 185mm x H765 mmfrequency response Preferable. Make : Ahuja/Eq	Nos.	12	17640.00	211680.00
7	AR	Supply and Instalation of Automatic Show time unit & programming		2	30450.00	60900.00

8	AR	Supply and Instalation of Master Controller The highlights of MasterLogic-200 PLC system are: • Powerful & Versatile CPU (high speed / memory, IEC programming etc) • Compact footprint (Rack room, cabinet space saver, shipping costs saver) • Modular options (power supply, range of I/O modules to suit your configuration) • Flexibility in module assignment – any module can be installed in any slot of any base without any restrictions. • Open networks (Fast Ethernet, UTP/Fiber-Optic, serial RS232C /422/485) • Open protocols (Profibus-DP, MODBUS ASCII/RTU/TCP) • Peer-to-Peer networks (Dedicated Fast Ethernet on UTP/Fiber-optic) • Simulation Environment to test control strategies without hardware or process connections. • Engineer-friendly software (Connection options, easy configuration &trouble-shooting) • Diagnostics (System/Error Logs, system monitoring, network monitoring,ping test, frame monitor) • Experion PKS & Experion HS Integ		2	276120.00	552240.00
9	AR	Supply and Instalation of DMX Splitter, DMX Input x1, Output x4, Thru x1, 3/16" Threaded Hole for Clamp, Opto-Isolated		10	53690.00	536900.00
10	AR	Supply and Instalation of custom computer or stand alone programmer for RGB lighting show	Set	1	176410.00	176410.00
11	AR	Custom Smart Lighting Design and Programming Smart Lighting Design Project Consulting fee -	ence s	10	125662.00	1256620.00
		Total Rs				**6611064.00**
		PART B				
12	54/9.1	Supplying and drawing UTP-CAT 6E LAN cable.	Mtrs	720.00	29.00	20880.00
13	57/10.3.2	Supplying, erecting, testing & commissioning of ON-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with isolation transformer all accessories complete and Excluding batteries and wiring complete.3 KVA ON LINE UPS	Per Mtr	2	42480.00	84960.00
14	58/10.5.9	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Sealed maintenance free batteries.150 AH capacity	Nos	2	14100.00	28200.00
15	6.4.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcm	300000	0.33	99000.00
16	30/5.41.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm	Mtrs	200	255.00	51000.00
17	2/1.1.3	Supplying heavy gauge PVC conduit pipe .....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.32mm dia 2.5mm thick	Mtrs	900	92.00	82800.00

	/2.5.9	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS:8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100Volts **as per IS-694:1990 4C X 2.5Sq.mm**	Mtrs	1400	115.00	161000.00
19	40/6.4.6	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	1100	150.00	165000.00
20	41/6.5.7	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm	Mtrs	1100	11.88	13068.00
21	41/6.6.1	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs	900	76.00	68400.00
22	6.17.6	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.35 sqmm Long Barrel	Nos	900	12.44	11196.00
23	46/6.1.3 .A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	2	4044.00	8088.00
		PART B Total Rs				793592
		PART A Total Rs				6611064
		Add GST 12% on Item "B" Only				95231.04
		Mislenious				112.96
		Grand Total Rs				**7500000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD(Elec) SR of 2014-15,2019-20, CPWD DSR and Approved Rates

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YALAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 75.00 lakhs
Seventy five lakhs only
is accorded under head P-3740
2020-21 Development works
Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No EE/YNK/AS/32/2020-21 Dt 28.8.2020

Executive Engineer

d for Rs. 75,00,000/-
SEVENTY FIVE LAKH ONLY
P3740
Job Code No 004-20-000037
Registered as SE(Y)/TS/ 19 /2021 subject
to conditions contained in enclosed memo
No 19 /20-21 Dated: 9/9/2020
9/9/2020
TA